

P24039.P01

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	P24039	Total Pages
Inventors or Application Identifier		
James R. VEALE, William R. ANDERSON, Warren M. GRIFFITH, Glen R. EDWARDS and George R. HOWARD		

Title: APPARATUS AND METHOD FOR AUTOMATED HEADSPACE GAS ANALYSIS

031088 U.S. PTO
10/684412
101503

ADDRESS TO:

Commissioner for Patents
Mail Stop Patent Application
PO Box 1450
Alexandria, VA 22313-1450

APPLICATION ELEMENTS	ACCOMPANYING APPLICATION PARTS
<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (Submit an original, and a duplicate for fee processing)</p> <p>2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. a. <input type="checkbox"/> Small Entity Statement(s)</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages <u>35</u>] (preferred arrangement set forth below) - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure</p> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets <u>5</u>]</p> <p>5. <input checked="" type="checkbox"/> Oath or Declaration [Total Pages <u>9</u>] a. <input checked="" type="checkbox"/> Newly executed (original or copy) <input type="checkbox"/> Unexecuted b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 20 completed) [Note Box 6 below] i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p>6. <input type="checkbox"/> Incorporation By Reference (useable if Box 5b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</p> <p>7. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p> <p>8. <input type="checkbox"/> CD-Rom or CD-R in duplicate, large table or Computer Program (<i>Appendix</i>)</p>	<p>9. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies</p> <p>10. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))</p> <p>11. <input type="checkbox"/> 37 CFR 3.73(b) Statement [when there is an assignee] <input type="checkbox"/> Power of Attorney</p> <p>12. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>13. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>14. <input type="checkbox"/> Preliminary Amendment</p> <p>15. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)</p> <p>16. <input checked="" type="checkbox"/> Figure of Drawing to be published <u>1</u></p> <p>17. <input type="checkbox"/> Foreign priority claimed a. <input type="checkbox"/> Claim of Priority b. <input type="checkbox"/> Certified Copy of Priority Document(s)</p> <p>18. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b) (2), (B) (i). Applicant must attach form PTO/SB/35 or its equivalent.</p> <p>19. <input checked="" type="checkbox"/> Assignee: <u>Lighthouse Instruments, LLC</u>, <u>Charlottesville, VA</u></p> <p>20. <input checked="" type="checkbox"/> Other: <u>Cover Letter</u></p> <hr/> <hr/> <hr/> <hr/> <hr/>

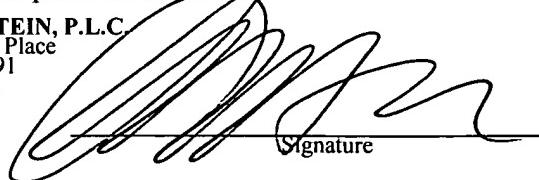
21. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

Continuation Divisional Continuation-in-part (CIP) of prior Application No. /, filed _____.
Prior application information: Examiner: _____ Group Art Unit: _____

Address all future correspondence to Customer No. 7055 at the present address of:

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1950 Roland Clarke Place
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(703) 716-1191

10/15/03
Date



Signature

Arnold Turk, Reg. No. 33,094
Typed or Printed Name

15915
U.S.PTO

FEE TRANSMITTAL

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1. <input checked="" type="checkbox"/> The U.S Patent and Trademark Office is hereby authorized to charge indicated fees and credit any overpayments to: Deposit Account Number <u>19-0089</u> Deposit Account Name <u>GREENBLUM & BERNSTEIN, P.L.C.</u> <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17, including any required extension of time fees in any concurrent or future reply requiring a petition for extension of time for its timely submission (37 CFR 1.136(a)(3)) <input type="checkbox"/> Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.311(b) <input checked="" type="checkbox"/> Applicant Claims Small Entity Status See 37 CFR 1.27.				3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR</td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td>Prior to Examiner action</td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Extension for response within 1st month</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for response within 2nd month</td><td></td></tr> <tr><td>1252</td><td>420</td><td>2252</td><td>210</td><td>Extension for response within 3rd month</td><td></td></tr> <tr><td>1253</td><td>950</td><td>2253</td><td>475</td><td>Extension for response within 4th month</td><td></td></tr> <tr><td>1254</td><td>1,480</td><td>2254</td><td>740</td><td>Extension for response within 5th month</td><td></td></tr> <tr><td>1255</td><td>2,010</td><td>2255</td><td>1,005</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1401</td><td>330</td><td>2401</td><td>165</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1402</td><td>330</td><td>2402</td><td>165</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1403</td><td>290</td><td>2403</td><td>145</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to revive unavoidably abandoned application</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive unintentionally abandoned application</td><td></td></tr> <tr><td>1453</td><td>1,330</td><td>2453</td><td>665</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1501</td><td>1,330</td><td>2501</td><td>665</td><td>Design issue fee</td><td></td></tr> <tr><td>1502</td><td>480</td><td>2502</td><td>240</td><td>Plant issue fee</td><td></td></tr> <tr><td>1503</td><td>640</td><td>2503</td><td>320</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Submission of IDS</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td>\$40.00</td></tr> <tr><td>1809</td><td>770</td><td>2809</td><td>385</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>1810</td><td>770</td><td>2810</td><td>385</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1801</td><td>770</td><td>2801</td><td>385</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr> <td colspan="4">SUBTOTAL (1) (\$)<u>385.00</u></td> <td colspan="4">SUBTOTAL (3) (\$)<u>40.00</u></td> </tr> <tr> <td colspan="4"> 2. CLAIMS Total Claims <u>38</u> -20= <u>18</u> x <u>9</u> = <u>\$162.00</u> Independent <u>2</u> -3= <u>0</u> x <u>43</u> = <u>0</u> Claims Multiple Dependent Claims <u>0</u> x <u>145</u> = <u>0</u> </td> <td colspan="4"> Extra Fee from below Fee Paid Other fee (specify) _____ Other fee (specify) _____ </td> </tr> <tr> <td colspan="4"> Large Entity Fee Code (\$) 1202 18 2202 9 1201 86 2201 43 1203 290 2203 145 1204 86 2204 43 1205 18 2205 9 SUBTOTAL (2) (\$)<u>162.00</u> </td> <td colspan="4"> *Reduced by Basic Filing Fee paid </td> </tr> </tbody></table>				Large Entity Fee Code (\$)	Entity Fee Code (\$)	Small Entity Fee Code (\$)	Entity Fee (\$)	Fee Description	Fee Paid	1051	130	2051	65	Surcharge - late filing fee or oath		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.		1053	130	1053	130	Non-English specification		1812	2,520	1812	2,520	For filing a request for reexamination		1804	920*	1804	920*	Requesting publication of SIR						Prior to Examiner action						Requesting publication of SIR after Examiner action		1805	1,840*	1805	1,840*	Extension for response within 1st month		1251	110	2251	55	Extension for response within 2nd month		1252	420	2252	210	Extension for response within 3rd month		1253	950	2253	475	Extension for response within 4th month		1254	1,480	2254	740	Extension for response within 5th month		1255	2,010	2255	1,005	Notice of Appeal		1401	330	2401	165	Filing a brief in support of an appeal		1402	330	2402	165	Request for oral hearing		1403	290	2403	145	Petition to institute a public use proceeding		1451	1,510	1451	1,510	Petition to revive unavoidably abandoned application		1452	110	2452	55	Petition to revive unintentionally abandoned application		1453	1,330	2453	665	Utility issue fee (or reissue)		1501	1,330	2501	665	Design issue fee		1502	480	2502	240	Plant issue fee		1503	640	2503	320	Petitions to the Commissioner		1460	130	1460	130	Petitions related to provisional applications		1807	50	1807	50	Submission of IDS		1806	180	1806	180	Recording each patent assignment per property (times number of properties)		8021	40	8021	40	Filing a submission after final rejection (37 CFR 1.129(a))	\$40.00	1809	770	2809	385	For each additional invention to be examined (37 CFR 1.129(b))		1810	770	2810	385	Request for Continued Examination (RCE)		1801	770	2801	385	Request for expedited examination of a design application		SUBTOTAL (1) (\$) <u>385.00</u>				SUBTOTAL (3) (\$) <u>40.00</u>				2. 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SUBMITTED BY				Complete (if applicable)	
Typed or Printed Name		Arnold Turk		Reg. Number	33,094
Signature				Date	10/15/03
				Deposit Account User ID	19-0089

P24039.A01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : James R. VEALE et al.

Appln. No : Not Yet Assigned

Filed : Concurrently Herewith

For : SYSTEM AND METHOD FOR AUTOMATED HEADSPACE ANALYSIS

COVER LETTER

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir :

The undersigned points out that the executed application being filed herewith includes copies of pages 1 - 3 of three partially executed Declarations, and pages 1 - 35 and 5 sheets of drawings which were added by the law firm of the undersigned, which are identical to pages 1 - 35 and 5 sheets of drawings forwarded for execution. Further, the undersigned has been advised that the application was physically present when the inventors executed the Declaration.

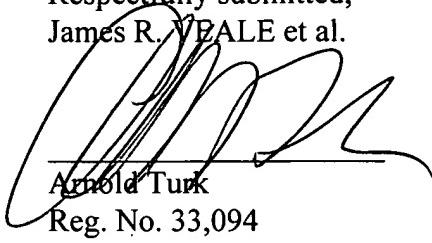
Accordingly, Applicants respectfully submit that the present application is properly executed and should be considered as filed in executed form.

Applicants further note that the inventor Glenn R. Edwards has corrected the spelling of his name on executed Declaration prior to execution of the same.

P24039.A01

Should there be any questions or comments, the Examiner is invited to contact the
undersigned at the below-listed telephone number.

Respectfully submitted,
James R. MEALE et al.



A handwritten signature in black ink, appearing to read "Arnold Turk".

Arnold Turk
Reg. No. 33,094

October 15, 2003
GREENBLUM & BERNSTEIN, P.L.C.
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